

Title (en)

Differential immersion anchor receptacle made of metals with different magnetic permeability

Title (de)

Differenzialtauchankeraufnehmer aus Metallen unterschiedlicher magnetischer Permeabilität

Title (fr)

Récepteur d'induit submersible différentiel constitué de métaux ayant une perméabilité magnétique variable

Publication

EP 2051045 A3 20130424 (DE)

Application

EP 08017609 A 20081008

Priority

DE 102007049978 A 20071018

Abstract (en)

[origin: EP2051045A2] The receptacle (1) has a plunger (6) with radial outer rings (22, 24) that are made from a ferromagnetic material or an electrically conducting non-ferrous metal. The ring (24) extends in an axial direction over an entire region of the plunger cooperating with coils (2, 4). Axial length of the ring (22) of the plunger is selected such that the ring (22) overlaps with axial length of a coil opening (8) of the coil (2) and partially overlaps with an axial length of a coil opening (10) of the coil (4) in the positions of the plunger.

IPC 8 full level

G01D 5/22 (2006.01)

CPC (source: EP)

G01D 5/2258 (2013.01); **G01D 5/2275** (2013.01)

Citation (search report)

- [X] EP 0170723 A2 19860212 - BOSCH GMBH ROBERT [DE]
- [Y] DE 10303607 A1 20040819 - BOSCH GMBH ROBERT [DE]
- [Y] DE 10222618 A1 20021212 - LUST ANTRIEBSTECHNIK GMBH [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2051045 A2 20090422; EP 2051045 A3 20130424; DE 102007049978 A1 20090423

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